

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A method of specifying a delay factor, for specifying a delay factor in processing jobs which are executed in a predetermined order by a computer system having a plurality of computers,

wherein said method comprises:

a collecting step in which history information expressing history of execution of a job is collected from each computer assigned each of said jobs which are executed in a predetermined order; and

a specifying step in which a job which became a delay factor in processing said jobs, and a part of the computer system, which undertakes transfer of said job which became the delay factor, are decided, in accordance with said history information and definition information expressing an execution schedule of each job assigned to said computers to permit an analysis of said delay factor to be performed in said part of the computer system exclusive of other parts of the computer system.

2. (currently amended) The method of specifying a delay factor according to Claim 1, wherein said history information is information that can specify an execution start time at which said each computer started execution of the job, an execution end time at which that said computer ended the job, and an execution time

which that required by said computer required to execute the job;

said definition information is information that can specify a planned start time, being planned time at which execution of each job is started, a planned end time, being a planned time at which execution of each job is ended, and a planned execution time, being a planned time required for execution of each job; and

said specifying step comprises:

a first step in which a computer assigned to a job whose execution time exceeds a planned execution time by more than a predetermined degree is extracted as a delay factor in processing said job-net; and

a second step in which, with respect to a job whose execution end time is latest among jobs executed just prior to a job whose execution start time is delayed from a planned start time by more than a predetermined degree, when said execution end time is not delayed from a planned end time by more than a predetermined degree, said part of the computer system that undertakes transfer between said job whose execution start time is delayed from the planned start time by more than the predetermined degree and said job executed just prior to the job in question is extracted as a delay factor in processing said job-net.

3. (original) The method of specifying a delay factor according to Claim 2, wherein said second step when a same computer is assigned to said job whose execution start time is delayed from the planned start time by more than the predetermined degree and to said job executed just prior to the job in question, said computer is extracted as the delay factor, and

when different computers are respectively assigned to said job whose execution start time is delayed from the planned start time by more than the predetermined degree and to said job executed just prior to the job in question, a network between said computers is extracted as the delay factor.

4. (currently amended) A recording medium that stores therein a program to be read and executed by an-electronic~~s~~ computer, wherein said program is one for specifying a delay factor in processing a job net executed by a computer system having a plurality of computers; and

    | said program makes said electronic-computer execute:  
    |     a collecting step in which history information is collected from each computer assigned each of a series of jobs which are executed in a predetermined order and constitute said job net to said electronic-computer, said history information expressing a history of executing a job which constitutes said job net and is assigned to said each computer; and

    |     a specifying step in which a job which became a delay factor in processing said job net, and a part of the computer system, which undertakes transfer of said job which became the delay factor, are decided, based on said history information and definition information expressing an execution schedule of each job assigned to said computers to permit an analysis of said delay factor to be performed in said part of the computer system exclusive of other parts of the computer system.

5. (currently amended) A management unit for specifying a delay factor in

processing jobs which are executed in a predetermined order by a computer system having a plurality of computers;

wherein said management unit comprises:

means for collecting history information from each computer assigned to each of said jobs, said history information expressing a history of executing a job which is assigned to said each computer; and

means for deciding a job, which became a delay factor in processing said jobs, and a part of the computer system which, undertakes transfer of said job which became the delay factor, based on said history information and definition information expressing an execution schedule of each job assigned to said computers to permit an analysis of said delay factor to be performed in said part of the computer system exclusive of other parts of the computer system.